L Number	Hits	Search Text	DB	Time stamp
1	1	("6330255").PN.	USPAT; US-PGPUB; EPO; JPO	2003/07/31 12:52
2	2672	((385/4-11).ccls.and(tunableortuning)andgrating)SPAS.	USPAT; US-PGPUB; EPO; JPO	2003/07/31 12:53
3	272	(385/4-11).ccls. and (tunable or tuning) and grating	USPAT; US-PGPUB; EPO; JPO	2003/07/31 12:54
-	186	(385/$).ccls. and (gain or amplifier or laser) and ((tunable or tuning) near4 grating) and modulator	USPAT; US-PGPUB; EPO; JPO	2003/07/30 11:30
-	10	(385/$).ccls. and (amplif$4 not amplifier) and ((tunable or tuning) near4 grating) and modulator	USPAT; US-PGPUB; EPO; JPO	2003/07/28 18:34
-	304	(385/$).ccls. and (amplif$4 or gain or laser) and ((tunable or tuning) near4 filter) and modulator	USPAT; US-PGPUB; EPO; JPO	2003/07/28 18:34
-	88	(385/$).ccls. and (amplif$4 or gain or laser) and ((tunable or tuning) near4 (filter not grating)) and modulator	USPAT; US-PGPUB; EPO; JPO	2003/07/28 19:08
-	218	(385/$).ccls. and (amplif$4 or gain or laser) and ((tunable or tuning) near4 (filter or grating)) and (mach near3 zehnder)	USPAT; US-PGPUB; EPO; JPO	2003/07/28 19:09
-	75	(385/$).ccls. and (amplif$4 or gain or laser) and ((tunable or tuning) near4 (filter or grating)) and ((mach near3 zehnder) not modulator)	USPAT; US-PGPUB; EPO; JPO	2003/07/29 12:33
-	44	Deacon.in. and tunable and grating	USPAT; US-PGPUB; EPO; JPO	2003/07/29 12:35
-	43	Deacon.in. and tunable and grating and (modulat$3 or (phase near4 shift$3))	USPAT; US-PGPUB; EPO; JPO	2003/07/29 12:43
-	378	(gain near4 (medium or region)) and ((tunable or tuning) near4 (grating or filter or mirror)) and (modulator or (mach near3 zehnder))	USPAT; US-PGPUB; EPO; JPO	2003/07/29 12:45
-	205	(gain near4 (medium or region)) and ((tunable or tuning) near4 (grating or filter or mirror)) and (modulator or (mach near3 zehnder)) and substrate	USPAT; US-PGPUB; EPO; JPO	2003/07/29 12:45
-	230	(lithium near4 niobate) near4 semiconductor	USPAT; US-PGPUB; EPO; JPO	2003/07/30 11:39
-	1	("6330255").PN.	USPAT; US-PGPUB; EPO; JPO	2003/07/30 12:58
-	520	(trench near4 capacitor).ti.	USPAT; US-PGPUB; EPO; JPO	2003/07/30 11:47

-	1	(385/4-10).ccls. and (trench near4 capacitor)	USPAT; US-PGPUB; EPO; JPO	2003/07/30 11:52
-	11	(trench near4 capacitor) and (optic$2 near4 modulator) not (385/4-11).ccls.	USPAT; US-PGPUB; EPO; JPO	2003/07/30 11:56
-	1	("5002349").PN.	USPAT; US-PGPUB; EPO; JPO	2003/07/30 13:31
-	52	((tunable or tuning) near4 (laser or grating)) and wavelength and (gain near4 medium) and multiplexer and demultiplexer	USPAT; US-PGPUB; EPO; JPO	2003/07/30 13:50
-	1	("20030021305").PN.	USPAT; US-PGPUB; EPO; JPO	2003/07/30 13:51
-	1	("20030021305").PN.	USPAT; US-PGPUB; EPO; JPO	2003/07/30 16:37
-	16	valencia.xa. and dan$3.xa.	USPAT; US-PGPUB; EPO; JPO	2003/07/30 16:37
-	1	("1094574").PN.	EPO	2003/07/30 17:09

| 71 | (US-6330255-$ or US-5002349-$ or US-6172791-$ or US-6480513-$ or US-6134250-$ or US-6580855-$ or US-6584260-$ or US-6449073-$ or US-6453095-$ or US-6400869-$ or US-6389195-$ or US-6393185-$ or US-6330383-$ or US-6370290-$ or US-6330388-$ or US-6356674-$ or US-6298185-$ or US-6282340-$ or US-6221565-$ or US-6226424-$ or US-6166837-$ or US-6215928-$ or US-6137442-$ or US-6058226-$ or US-6081361-$ or US-5946129-$).did. or (US-5982963-$ or US-5991061-$ or US-5732177-$ or US-5719971-$ or US-5613020-$ or US-5581642-$ or US-5579143-$ or US-5557442-$ or US-5555118-$ or US-5519802-$ or US-5191625-$ or US-5091983-$ or US-4904045-$ or US-4039249-$ or US-5615041-$ or US-5627927-$ or US-6407846-$ or US-6058227-$ or US-5949925-$ or US-5570438-$ or US-4667331-$ or US-6522812-$ or US-6411746-$ or US-6330378-$ or US-6282332-$ or US-5751868-$ or US-5812709-$).did. or (US-20030099018-$ or US-20020122241-$ or US-20030053507-$ or US-20030021305-$ or US-20030123827-$ or US-20020119400-$ or US-20020101648-$ or US-20020009274-$ or US-20020076149-$ or US-20010021294-$ or US-20020131662-$ or US-20030021516-$ or US-20030035172-$ or US-20030086655-$ or US-20030091086-$ or US-20030053495-$ or US-20030025976-$).did. or (EP-1094574-$).did. | USPAT; US-PGPUB; EPO | 2003/07/31 12:09 |

| 55 | ((US-6330255-$ or US-5002349-$ or US-6172791-$ or US-6480513-$ or US-6134250-$ or US-6580855-$ or US-6584260-$ or US-6449073-$ or US-6453095-$ or US-6400869-$ or US-6389195-$ or US-6393185-$ or US-6330383-$ or US-6370290-$ or US-6330388-$ or US-6356674-$ or US-6298185-$ or US-6282340-$ or US-6221565-$ or US-6226424-$ or US-6166837-$ or US-6215928-$ or US-6137442-$ or US-6058226-$ or US-6081361-$ or US-5946129-$).did. or (US-5982963-$ or US-5991061-$ or US-5732177-$ or US-5719971-$ or US-5613020-$ or US-5581642-$ or US-5579143-$ or US-5557442-$ or US-5555118-$ or US-5519802-$ or US-5191625-$ or US-5091983-$ or US-4904045-$ or US-4039249-$ or US-5615041-$ or US-5627927-$ or US-6407846-$ or US-6058227-$ or US-5949925-$ or US-5570438-$ or US-4667331-$ or US-6522812-$ or US-6411746-$ or US-6330378-$ or US-6282332-$ or US-5751868-$ or US-5812709-$).did. or (US-20030099018-$ or US-20020122241-$ or US-20030053507-$ or US-20030021305-$ or US-20030123827-$ or US-20020119400-$ or US-20020101648-$ or US-20020009274-$ or US-20020076149-$ or US-20010021294-$ or US-20020131662-$ or US-20030021516-$ or US-20030035172-$ or US-20030086655-$ or US-20030091086-$ or US-20030053495-$ or US-20030025976-$).did. or (EP-1094574-$).did.) and (thermal$2 or temperature) | USPAT; US-PGPUB; EPO; JPO | 2003/07/30 17:16 |

| 55 | ((US-6330255-$ or US-5002349-$ or US-6172791-$ or US-6480513-$ or US-6134250-$ or US-6580855-$ or US-6584260-$ or US-6449073-$ or US-6453095-$ or US-6400869-$ or US-6389195-$ or US-6393185-$ or US-6330383-$ or US-6370290-$ or US-6330388-$ or US-6356674-$ or US-6298185-$ or US-6282340-$ or US-6221565-$ or US-6226424-$ or US-6166837-$ or US-6215928-$ or US-6137442-$ or US-6058226-$ or US-6081361-$ or US-5946129-$).did. or (US-5982963-$ or US-5991061-$ or US-5732177-$ or US-5719971-$ or US-5613020-$ or US-5581642-$ or US-5579143-$ or US-5557442-$ or US-5555118-$ or US-5519802-$ or US-5191625-$ or US-5091983-$ or US-4904045-$ or US-4039249-$ or US-5615041-$ or US-5627927-$ or US-6407846-$ or US-6058227-$ or US-5949925-$ or US-5570438-$ or US-4667331-$ or US-6522812-$ or US-6411746-$ or US-6330378-$ or US-6282332-$ or US-5751868-$ or US-5812709-$).did. or (US-20030099018-$ or US-20020122241-$ or US-20030053507-$ or US-20030021305-$ or US-20030123827-$ or US-20020119400-$ or US-20020101648-$ or US-20020009274-$ or US-20020076149-$ or US-20010021294-$ or US-20020131662-$ or US-20030021516-$ or US-20030035172-$ or US-20030086655-$ or US-20030091086-$ or US-20030053495-$ or US-20030025976-$).did. or (EP-1094574-$).did.) and (thermal$2 or temperature or heater) | USPAT; US-PGPUB; EPO; JPO | 2003/07/31 08:18 |

1	((US-6330255-$ or US-5002349-$ or US-6172791-$ or US-6480513-$ or US-6134250-$ or US-6580855-$ or US-6584260-$ or US-6449073-$ or US-6453095-$ or US-6400869-$ or US-6389195-$ or US-6393185-$ or US-6330383-$ or US-6370290-$ or US-6330388-$ or US-6356674-$ or US-6298185-$ or US-6282340-$ or US-6221565-$ or US-6226424-$ or US-6166837-$ or US-6215928-$ or US-6137442-$ or US-6058226-$ or US-6081361-$ or US-5946129-$).did. or (US-5982963-$ or US-5991061-$ or US-5732177-$ or US-5719971-$ or US-5613020-$ or US-5581642-$ or US-5579143-$ or US-5557442-$ or US-5555118-$ or US-5519802-$ or US-5191625-$ or US-5091983-$ or US-4904045-$ or US-4039249-$ or US-5615041-$ or US-5627927-$ or US-6407846-$ or US-6058227-$ or US-5949925-$ or US-5570438-$ or US-4667331-$ or US-6522812-$ or US-6411746-$ or US-6330378-$ or US-6282332-$ or US-5751868-$ or US-5812709-$).did. or (US-20030099018-$ or US-20020122241-$ or US-20030053507-$ or US-20030021305-$ or US-20030123827-$ or US-20020119400-$ or US-20020101648-$ or US-20020009274-$ or US-20020076149-$ or US-20010021294-$ or US-20020131662-$ or US-20030021516-$ or US-20030035172-$ or US-20030086655-$ or US-20030091086-$ or US-20030053495-$ or US-20030025976-$).did. or (EP-1094574-$).did.) and (silicon and polysilicon)	USPAT; US-PGPUB; EPO; JPO	2003/07/31 08:19
11	(385/37).ccls. and (tuning or tunable) and (silicon and polysilicon)	USPAT; US-PGPUB; EPO; JPO	2003/07/31 08:28
20	(385/$).ccls. and (polysilicon near4 grating) and (tuning or tunable)	USPAT; US-PGPUB; EPO; JPO	2003/07/31 08:28